

Abstract

A method of manufacturing a luminescent screen assembly for a color
5 cathode-ray tube (CRT) is disclosed. The luminescent screen assembly is formed on
an inner surface of a faceplate panel of the CRT. The luminescent screen assembly
includes an organic conductive (OC) layer overcoated with an organic
photoconductive (OPC) layer. Three different color-emitting phosphors are
sequentially deposited over portions of the OPC layer by uniformly charging to having
10 a surface charge of one polarity and then selectively discharging desired areas
thereof of the OPC layer. Appropriate color-emitting phosphors having the opposite
polarity charge as that of the OPC layer are then deposited on the charged areas.